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# PATENT ABSTRACTS OF JAPAN

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## (54) ELECTRIC TOOTHBRUSH

(57) Abstract:

**PURPOSE:** To provide an electric toothbrush having excellent brushing effect in a simple constitution and at a low cost by giving reciprocatory motion to an attachment having a brush body, and giving rotary motion to the brush body provided at the attachment itself simultaneously.

**CONSTITUTION:** A drive shaft 8 is supported in a case 1 to be freely movable axially, it is composed in such a way that rotation of a drive motor 2 provided inside the case 1 is converted by a first motion converting mechanism 4a, 7 into reciprocatory motion to be transmitted to the drive shaft 8, a brush body 11 is freely rotatably provided at a forward end of an attachment 10 connected to this drive shaft 8, and reciprocatory motion of the attachment 10 in the axial direction is converted by a second motion converting mechanism 13 into

rotary motion to be transmitted to the rotary brush 11.

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